

REVISION OF SECTION 105
CONFORMITY TO THE CONTRACT OF
SUPERPAVE PERFORMANCE GRADED BINDERS

Section 105 of the Standard Specifications is hereby revised for this project as follows:

Delete subsection 105.04 and replace with the following:

105.04 Conformity to the Contract of Superpave Performance Graded Binders. Asphalt binders will be price reduced according to the following if the requirements of subsection 702.01 are not met:

(1)

TABLE OF PERFORMANCE GRADED BINDER LIMITS

Property	Specification	Compliance Limit for Price Reduction of 0%	Rejection Limit, Price Reduction = 25%
G* _{sin} (delta) of RTFO Residue	2.20 Min	1.87 Min	< 1.53
Slope (m-value) of the Creep Curve at Low Grade Temperature + 10° C.	0.300 Min	0.295 Min	< 0.266
Stiffness of the PAV Residue at Low Grade Temperature + 10° C, (Mpa)	300 Max	311 Max	>355

The price reduction will be 25 percent at the rejection limit. Between the compliance limit and the rejection limit, the price reduction will be calculated as follows:

$$PR = 25 \bullet \left[\frac{CL - \text{test value}}{CL - RL} \right]$$

Where: PR = Price Reduction
CL = Compliance Limit
RL = Rejection Limit

(2) The price reductions will be cumulative if more than one PG binder property specified in the Table of Performance Graded Binder Limits is out of specification, resulting in P(total). When binder is included in the contract unit price for HMA, the price reduction will be calculated as follows:

$$\text{Amount of Reduction} = [P(\text{total})] \bullet [(1/100) \bullet (\text{Invoice Price for PG Binder})]$$

When the binder is paid for separately, the total price reduction will be calculated as follows:

$$\text{Amount of Reduction} = [P(\text{total})] \bullet [(1/100) \bullet (\text{Contract Unit Price for PG Binder})]$$

(3) Price reductions based on the “F” factors in the Table of Price Reduction Factors described in subsection 105.03 will be in addition to the PG binder price reductions. Other binder requirements listed in the Table of Performance Graded Binder Limits but not price reduced in subsections 105.03 or 105.04 may be tested, but will not be considered for price reduction calculations. However, the Contractor will not be allowed to continue to produce mix with out of specification PG binder. If two consecutive samples fail to meet all requirements listed in the Table of Performance Graded Binder Limits, the Contractor shall take corrective action before being allowed to continue production of Hot Mix Asphalt. If proper corrective measures cannot

REVISION OF SECTION 105
CONFORMITY TO THE CONTRACT OF
SUPERPAVE PERFORMANCE GRADED BINDERS

be readily determined, the Engineer will suspend the use of such material until the Engineer can determine from laboratory tests that the Contractor can provide material that is in compliance with the Table of Performance Graded Binder Limits.

The Contractor will not have the option of accepting a price reduction in lieu of producing specification material. Continued production of non-specification material will not be permitted. Material which is obviously defective may be isolated and rejected without regard to sampling sequence or location within a lot.